

Aditya Porwal

Syracuse, NY | (680) 207-9925 | adporwal@syr.edu | [LinkedIn](#) | [GitHub](#)

TECHNICAL SKILLS

Programming Languages: Java 8, Python, JavaScript(ES6), PHP, SQL
Frameworks: Spring Boot, RestfulAPIs, J2EE (Hibernate, Struts, JNDI), Spring MVC, Angular, JUnit
Databases: MariaDB, MySQL, MongoDB, Oracle, PostgreSQL
DevOps/Cloud : AWS EC2, AWS Lambda, Jira, Jenkins, GitHub Actions, Docker, Kubernetes, Linux
Libraries & Tools: Git, Maven, Gradle, Jboss, ActiveMQ, Log4J, Jasper Reports, Swagger Ui, NumPy, Flask, Pandas, Matplotlib, jQuery, Jira, Sonar, HP Fortify, PyCharm, IntelliJ, Zapier
Algorithms: AI (Gradient Descent, Heuristics, MDP's, MCTS, Tabular Reinforced Learning, Convolutional NNs), NLP/LLM(Lemmatization and Stemming, Words Cloud, Sentiment Analysis)

EXPERIENCE

Software Engineer

Feb 2021 - July 2023

Epam Systems - Client: DBS Bank

Hyderabad, India

- Collaborated on core banking project: Integrated **Payments Engine**, facilitating 5M+ customers with domestic and international fund movements across 13 nations
- Leveraged **Agile Methodology**, clean code principles (Sonar, HP Fortify) and **TDD approach** to optimize software development, ensuring efficient planning, tracking, reporting and security
- **Led development** of regulatory payments processing, ensuring compliance with CBPR standards: migrating payment message formats, across payments engine **facilitating 2 million+ transactions daily**
- Experience in **java multi-threading**, collections and implementing **DAO entities** using **Hibernate API** and **HQL**
- **Scaled application performance** by implementing Ghost **Lazy Loading** and Jboss **Cache configuration**
- Restructured DB transaction querying, transitioning from bulk data fetching to batch data retrieval, achieving a notable 16% enhancement
- Used **Java Messaging Service (JMS)** with ActiveMQ, configured Queues, Topics & Connection Factories
- Developed Virtual Accounts API using **Spring RESTful API** within the Hong Kong Payments Engine enhancing payment versatility and efficiency
- Experience in debugging on **IntelliJ IDE** and fixing bugs in a multi-threaded and large-scale disturbed system

IT Developer & Analyst

May 2020 - Jan 2021

Skilledge Edu Tech Pvt. Ltd.

Pune, India

- Developed interactive modules for the Learning Management System (LMS), enabling users to select tailored courses on website, **increasing lead generation rate from 18% to 35%**
- Automated and integrated LMS course registration workflows with CRM using **Zapier**
- Deployed **RESTful APIs on AWS API Gateway** enabling lead generating modules to send data to **Zoho CRM**
- Developed a **SAAS Email Marketing application** in accordance with the requirements of the marketing and sales team, eliminating the need for third party software, reducing costs by 75%

PROJECTS

Data Forecasting using LSTM Neural Networks | Capstone Project

April 2020

- Developed a full-stack web application for data prediction using LSTM(Long Short-Term Memory) neural networks on historical data and **NLP sentimental analysis** on tweets fetched from Twitter, utilizing **Scikit-learn, Pandas, numPy, TensorFlow, Flask** and **AWS** for hosting

Knowledge Management System (Blockchain) | Winner at Smart India Hackathon

Aug 2020

- Proposed a Distributed web-based Knowledge Management System for AAI (Airport Authority of India) in 36- Hour National Level Hackathon aiming to make Aerodrome Licensing Process secure and seamless
- Developed a prototype capable of storing and maintaining files integrity using **Ethereum smart contracts, Solidity, IPFS** (Distributed File System), **React JS, MongoDB** and hosted on **Heroku** for demonstration

EDUCATION

Syracuse University

Syracuse, NY

Masters in Computer Science

Aug. 2023 - May 2025

Pune University

Pune, India

Bachelors in Computer Science

Aug. 2016 - May 2020